



# Data Governance Army

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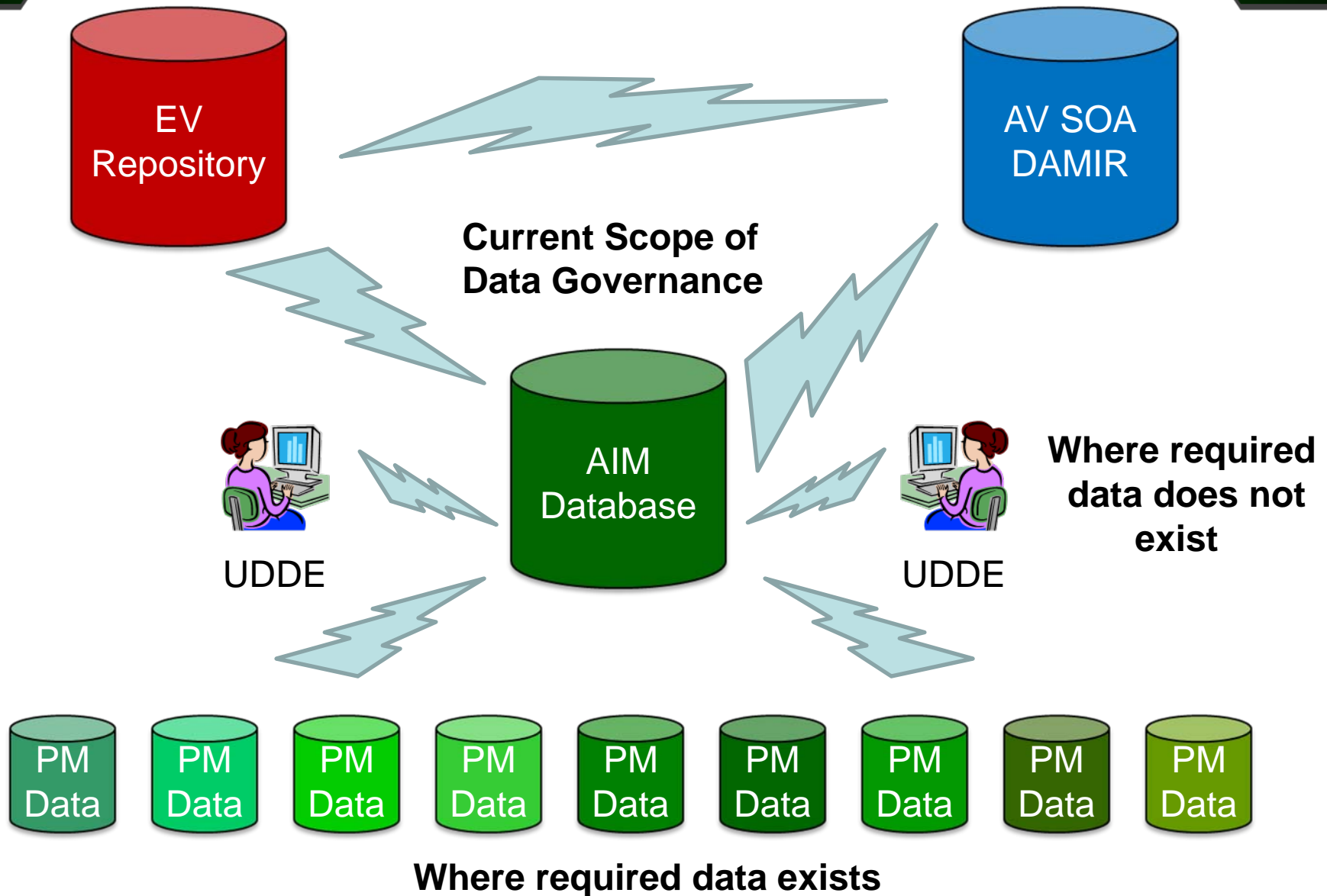
# Purpose

To address what the Army is doing internally to develop data governance institutions for its own purposes and to ensure it conforms to WSLM governance

- Who says the Army data is authoritative?
- What is the basis for that determination?
- What does authoritative even mean?
- What is the Army doing to make its data authoritative?



# Army AV SOA Data Flow





# Governance

- Governance establishes **trust** in the data
  - The data means/represents what you think it means/represents
  - The pedigree has been established and the data conforms to it
    - ✓ Definition, Syntax, Age, ...
  - The context of the data is established and the user understands the circumstances behind the data
    - ✓ How it was created, What it represents, How it can be used appropriately
- Trust cannot exist until Governance extends all the way to the source



# Perceptions on Oversight

- PM perceptions on oversight temper enthusiasm for establishing rigorous governance
  - Cultural tendency to want to solve our own problems
  - Perception that exposure:
    - ✓ Detracts from ability to manage program
    - ✓ Creates non-value-added workload
  - Threat to the PM
  - Program Ownership
  - Myopia



# Authoritative Data Source

- A recognized or official data production source with a designated mission statement or source/product to publish reliable and accurate data for subsequent use by customers. An authoritative data source may be the functional combination of multiple, separate data sources.
  - *Source: DoD Directive Number 8320.03, March 23, 2007.*



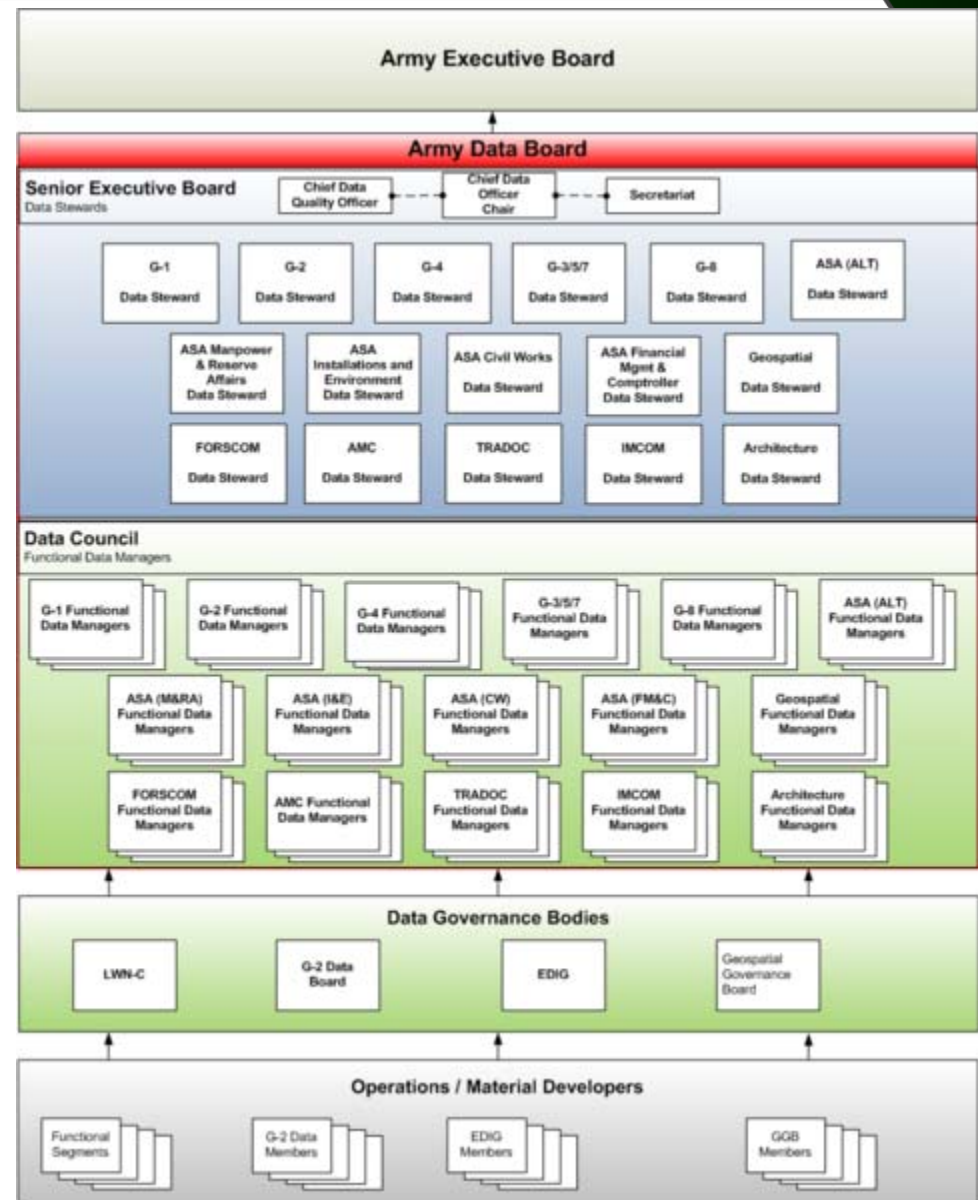
# Army Path Forward

- Migration to more consistent business processes
- Transition to Enterprise Business Systems
  - AcqBusiness Environment – A Service Oriented Architecture (SOA) which will:
    - ✓ Consume AIM & its associated systems/ capabilities
    - ✓ Provide Acquisition w/ enterprise business capabilities
  - Service Level Agreements at the Program level
- Data Modeling as integral part of Army Acquisition Business Enterprise Architecture (AABEA)
  - Help establish data pedigree
- Maintain consistency w/ DEP database
- Army Data Board & Army Data Stewards
  - Implementation of UCORE data standards



# Army Data Board

The Army Data Board is the directive body that identifies and addresses data interoperability issues and develops Army policy and positions to facilitate data availability and standardization across the enterprise.







# Army Data Board Mission

- Establish an Authoritative Data Source (ADS) Registry - a catalog of searchable, browsable, authoritative sources
- Identify data assets that are authoritative sources for data
- Identify in what contexts the data are authoritative
- Establish the business rules and pedigree that make/keep the data authoritative, accepted & trustworthy information for reuse, analysis, & aggregation
- Establish metadata to indicate the business processes for which the authority is valid
- Content vetted & approved by the Army Data Stewards & reviewed with data owners to ensure accuracy & harmonization with Joint/DOD ADSs
- Content built on common data structures & value sets that can be used within various applications.
- Content coordinated across DOD wide governance bodies to reconcile/ adjudicate authoritative sources(s).
- Active stewardship is required to maintain the quality and relevance of authoritative data



# Conclusions

- AV SOA Project has started us down the right path
  - BUT..... We've a VERY long way to go.
- Most difficult issues might be those required to overcome the reluctance to support effective oversight
- ASA(ALT) is working under the Army Data Board construct to extend data governance down to the source
- Transition of responsibility for data control to responsibility for data exposure and reuse is key to success
- Governance to the source will be cumbersome until we achieve significant progress in establishing consistency in business process and the use of enterprise business tools
- Effective governance will take time... it is not easy